

## PPM608

The PPM608 features 500W + 500W peak Class-D, Fast Recovery™ power amplifiers, six mono mic/line channels and two stereo mic/line/RCA channels, each with 3-band Perkins EQ.

The PPM608 is equipped with a 32-bit RMFX+™ processor featuring 24 effects with tap delay, dual 7-band graphic EQ (one for mains, one for monitors) and dedicated in-line compressors on the first four channels.

Each mono channel has a premium Mackie mic preamp, a low/high gain switch, one Mon send and one FX/Mon send and a Channel Insert jack for connecting an external processor.

There are built-in DIs on channels five and six for direct connection of guitars or bass, a 1/4-inch stereo footswitch jack for muting effects and a subwoofer output.

Other features include +48V phantom power, stereo tape output, stereo 12-segment LED meters and TRS stereo output jacks.

Despite its large channel count, the PPM608 is ultra-light. Plus, it's a Mackie which means it is "Built-Like-A-Tank" and will survive years of abuse.

## APPLICATIONS

Live sound mixing, houses of worship, clubs, gymnasiums, banquet halls, conference rooms, boardrooms, multitrack studio and field recording, video post-production, multimedia applications, broadcast, and many, many more.



## FEATURES:

- Full-featured 8-Channel, 1000W Powered Mixer with onboard effects
- 500W + 500W peak Mackie designed Class-D, Fast Recovery™ power amplifiers
- 32-bit RMFX+™ processor featuring 24 “Gig Ready” reverbs, choruses, and tap delay
- Six mic/line mono inputs and two mic/line stereo inputs
- Mackie high-headroom, low-noise mic preamps with RF rejection and switchable 48V phantom power
- Four dedicated in-line compressors
- 3-Band channel EQ on all channels
- DI inputs for direct instrument connections on channel on channels 5 and 6
- Two aux sends – one Mon and one FX/Mon
- Dual 7-Band graphic EQ on the Mains and Monitor outputs
- 3-Mode two-channel Amplifier, switchable as Mains Stereo L/R, Mono Mains/Monitor 1, or Mon 1 and Mon 2
- Precision Passive EQ for enhanced clarity and low-frequency response with Mackie passive loudspeakers
- Built-like-a-tank poly carbonate ABS cabinet with built-in metal handles
- Ultra-lightweight and portable (24.8 lb / 11.2 kg)

## PPM608 SPECIFICATIONS

### Noise Characteristics

|   |               |
|---|---------------|
| Equivalent Input Noise (EIN), mic input, 150 $\Omega$ source impedance, 20 Hz to 20 kHz | -128 dBu      |
| (1 kHz, 30 kHz bandwidth)   |               |
| Main mix level down, all channel levels down  | -95 dBu       |
| Main mix level 0 dB, all channel levels down  | -86 dBu       |
| Main mix level 0 dB, all channel levels 0 dB  | -77 dBu       |
| Gain  |               |
| Mic mono input  | 25 dB / 45 dB |
| Line mono inputs  | 0 dB / 20 dB  |
| Line stereo inputs  | 0 dB          |

### Frequency Response

|                                 |                  |
|---------------------------------|------------------|
| Mic mono input (+0 / -3 dB)     | <10 Hz to 80 kHz |
| Line mono inputs (+0 / -3 dB)   | <10 Hz to 40 kHz |
| Line stereo inputs (+0 / -3 dB) | <10 Hz to 75 kHz |

### Distortion (THD+N)

|                           |                    |
|---------------------------|--------------------|
| (1 kHz, 30 kHz bandwidth) |                    |
| Mic mono                  | <0.005% / <0.007%  |
| Line mono                 | <0.005%            |
| Line stereo               | <0.01% at main out |

### Maximum Input Levels

|                    |                  |
|--------------------|------------------|
| Mic mono input     | -5 dBu / -25 dBu |
| Line mono inputs   | +21 dBu / +1 dBu |
| Line stereo inputs | +21 dBu          |

### Maximum Output Levels

|                                 |         |
|---------------------------------|---------|
| Preamp main and monitor outputs | +21 dBu |
|---------------------------------|---------|

### Loudspeaker Outputs

|  |  |
|--|--|
| (Both channels loaded and driven at 1 kHz) |  |
| Peak output power @ 4 $\Omega$             | 2 x 500 W peak                                 |
| RMS output power @ 4 $\Omega$              | 2 x 250 W rms, 1% THD<br>2 x 300 W rms, 3% THD |
| RMS output power @ 8 $\Omega$              | 2 x 150 W rms, 1% THD<br>2 x 180 W rms, 3% THD |
| Recommended load impedance                 | 4 – 8 $\Omega$ per channel                     |

### Equalization

|   |   |
|---|---|
| High Shelving                           | $\pm$ 15 dB @ 12 kHz                                  |
| Mid Peaking                             | $\pm$ 15 dB @ 2.5 kHz                                 |
| Low Shelving                            | $\pm$ 15 dB @ 80 Hz                                   |
| 7-Band Graphic EQ<br>Main and Monitor 1 | $\pm$ 15 dB @ 125, 250, 500,<br>1k, 2k, 4k, and 8 kHz |

### Digital Effects

|                   |                            |
|-------------------|----------------------------|
| Processor         | 32-bit                     |
| I/O               | Mono input / Stereo output |
| Number of presets | 24                         |

### Impedances

|                                 |  |
|---------------------------------|--|
| Mic mono input                  | 3.6 k $\Omega$ balanced                          |
| Line mono input                 | 20 k $\Omega$ balanced                           |
| Line mono input, Ch 5, 6 Hi-Z   | 500 k $\Omega$ unbalanced                        |
| Main and monitor preamp outputs | 240 $\Omega$ balanced<br>120 $\Omega$ unbalanced |

## PPM608 SPECIFICATIONS continued...

### AC Power Requirements

|                       |                                 |
|-----------------------|---------------------------------|
| US                    | 100 – 120 VAC, 50 – 60 Hz, 160W |
| EU                    | 200 – 240 VAC, 50 – 60 Hz, 160W |
| AC Connector          | 3-pin IEC 250 VAC               |
| Operating Temperature | 0° – 40°C<br>32° – 104°F        |

### Physical Properties (packaged product)

|                 |                   |
|-----------------|-------------------|
| Height          | 15.2 in / 386 mm  |
| Width           | 22.1 in / 561 mm  |
| Depth           | 15.2 in / 386 mm  |
| Shipping Weight | 30.6 lb / 13.9 kg |

### Physical Properties (product)

|            |                   |
|------------|-------------------|
| Height     | 12.3 in / 314 mm  |
| Width      | 19.3 in / 490 mm  |
| Depth      | 11.4 in / 290 mm  |
| Net Weight | 24.8 lb / 11.2 kg |

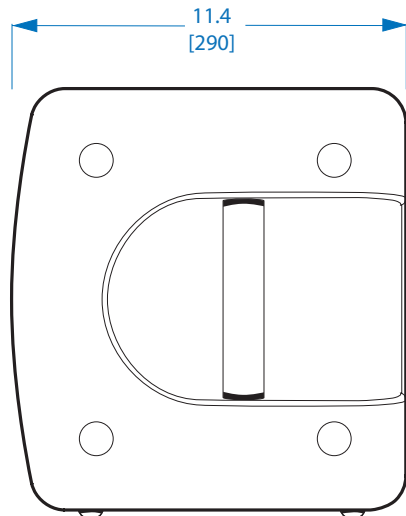
### Options

|           |                |
|-----------|----------------|
| Mixer Bag | P/N 093-011-00 |
|-----------|----------------|

### Ordering Information

|   |                |
|---|----------------|
| PPM608 8-Channel Professional Powered Mixer, US | P/N 0026939-00 |
| PPM608 8-Channel Professional Powered Mixer, EU | P/N 0026939-01 |

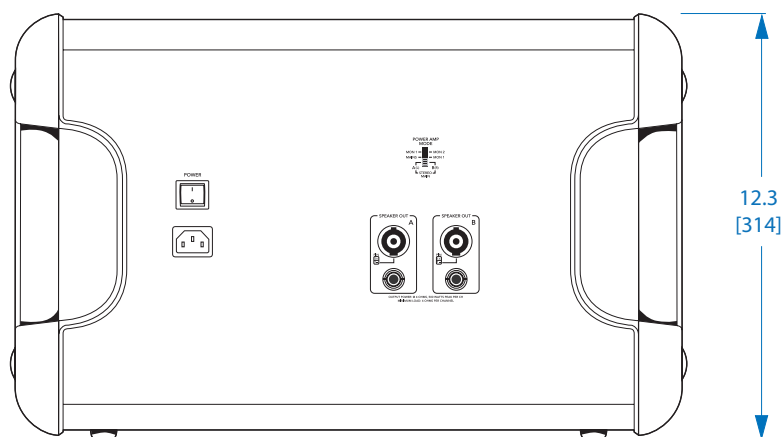
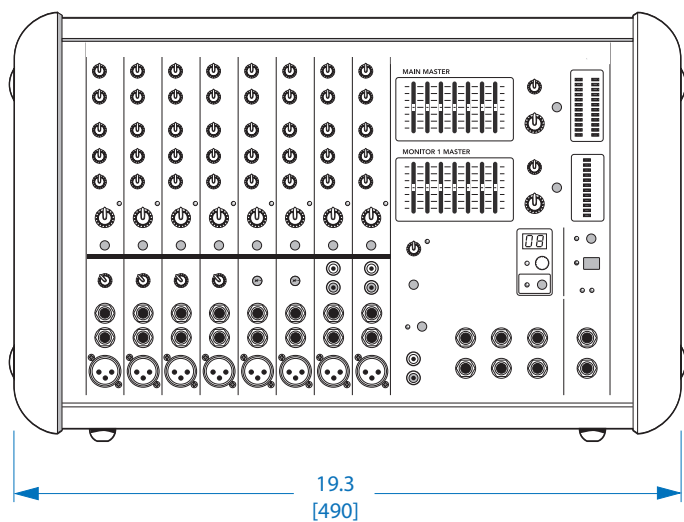
### PPM608 DIMENSIONS



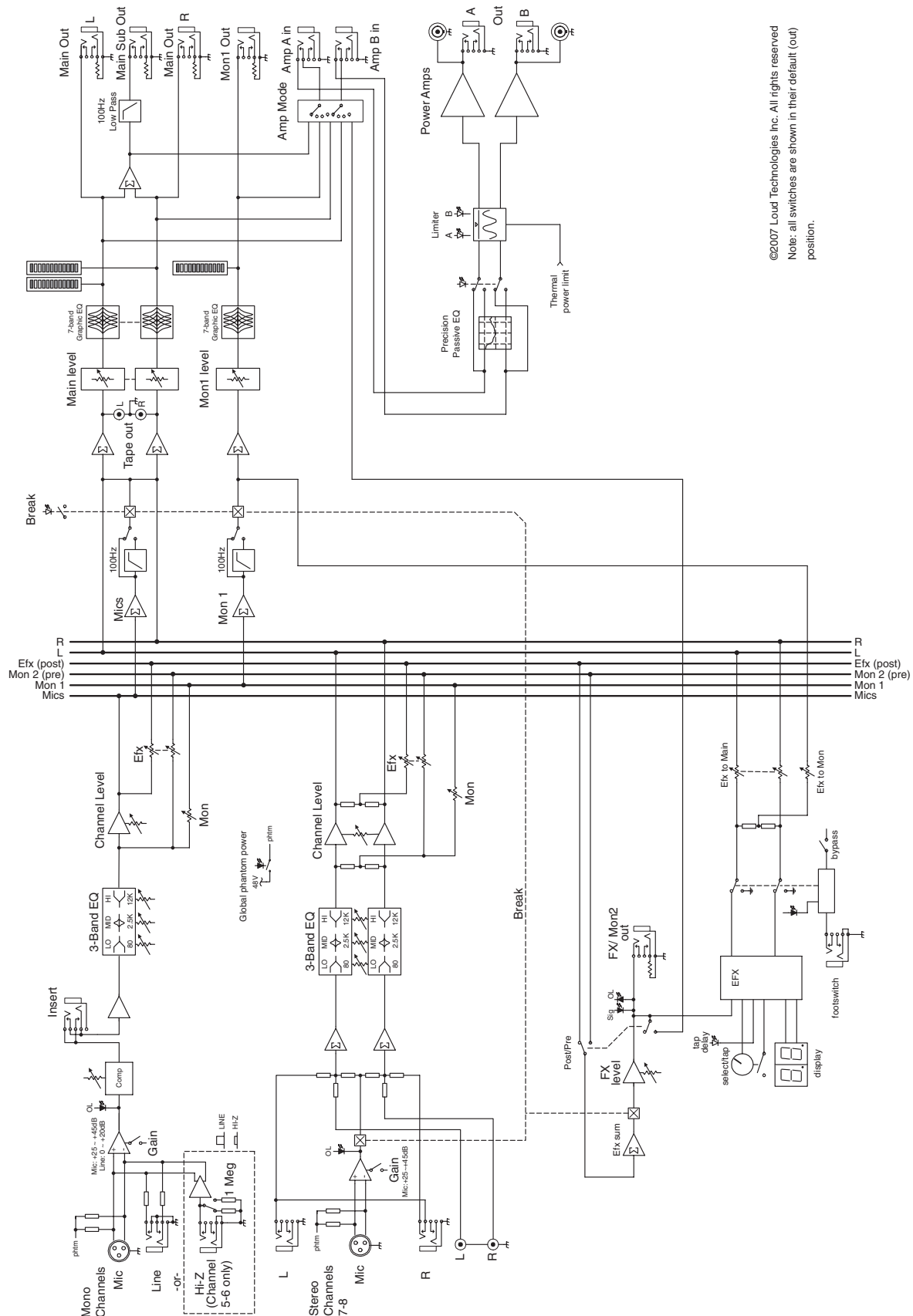
#### NOTES:

1. WEIGHT APPROX. 24.8 lb [11.2 kg].
2. SHIPPING WEIGHT APPROX. 30.6 lb [13.9 kg].

UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES. DUAL [MM] DIMENSIONS FOR REF ONLY

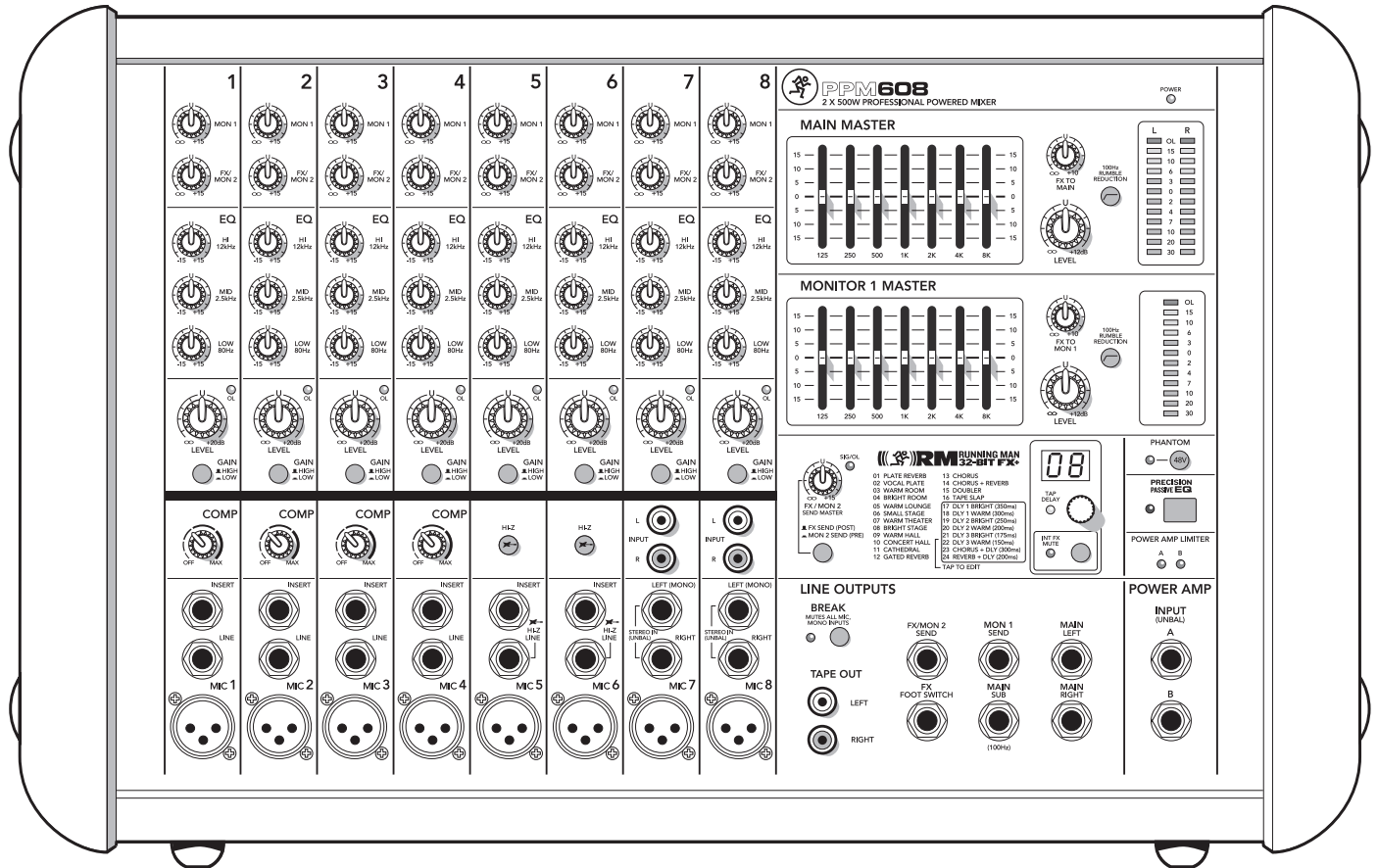


## PPM608 BLOCK DIAGRAM

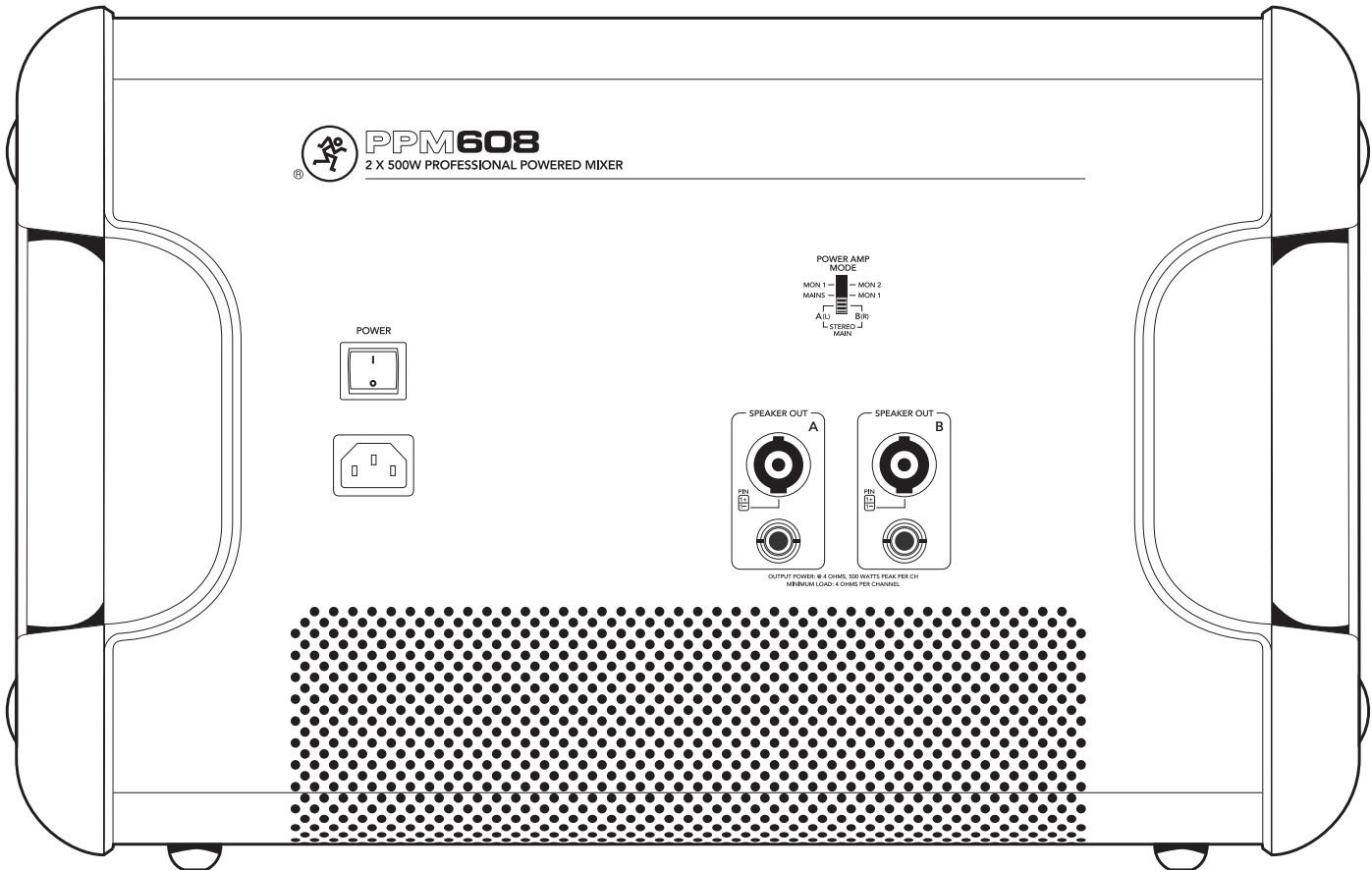


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Note: all switches are shown in their default (out) position.

## PPM608 FRONT PANEL



## PPM608 REAR PANEL



Electronic files for this product are available at:

[www.mackie.com](http://www.mackie.com)

Specification Sheet

PPM608\_SS.PDF

Owner's Manual

PPM608\_OM.PDF

# MACKIE®

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